AMENDMENT

In the Claims:

1. (currently amended) A flow sensor tube assembly, comprising:

a base member having first and second generally opposing sides;

a nipple defined by the second side of the base member and extending from the second side of the base member;

an opening extending through the base member and the nipple, the opening having first and second segments defining first and second diameters, respectively, the first diameter being greater than the second diameter, at least a portion of the second segment being situated within the nipple;

a flow sensor tube having an end received in the opening;

a filler material situated in the first segment of the opening surrounding the flow sensor tube adjacent the first side of the base member; and

the flow sensor tube being welded to the nipple extending from the second side of the base member ~~adjacent the second side of the base member~~.

2. (canceled)

3. (previously presented) The flow sensor tube assembly of claim 1, wherein the filler material is situated in the first segment of the opening surrounding the flow sensor tube.

4. (canceled)

5. (currently amended) The flow sensor tube assembly of claim 1, ~~further comprising a nipple defined by the second side of the base member,~~ wherein the entire second segment of the opening is situated ~~at least partially~~ in the nipple.

6. (canceled)

7. (currently amended) The flow sensor tube assembly of claim 41, wherein the nipple is formed around the flow sensor tube so as to eliminate a gap between the opening and the flow sensor tube.

8. (original) The flow sensor tube assembly of claim 1, wherein a portion of the flow sensor tube extends from second side of the base member.

9. (original) The flow sensor tube assembly of claim 1, further comprising:

a second opening extending through the base member;

a second end of the flow sensor tube being received in the second opening;

a filler material situated in the second opening surrounding the flow sensor tube adjacent the first side of the base member; and

the second end of the flow sensor tube being welded to the base member adjacent the second side of the base member.

10. (currently amended) The flow sensor tube assembly of claim 1, wherein the first and second sides define corresponding generally planar first and second parallel surfaces, and

further comprising a groove defined in the first surface ~~side~~ of the base member surrounding the opening creating a raised boss adjacent the opening.

11. (original) The flow sensor tube assembly of claim 1, wherein the filler material comprises a braze material.

12. (original) The flow sensor tube assembly of claim 1, wherein the filler material comprises solder.

13. (original) The flow sensor tube assembly of claim 1, wherein the filler material comprises an epoxy.

14-20. (canceled)

21. (currently amended) A flow sensor tube assembly, comprising:

a base member having first and second generally opposing sides;

a nipple defined by the second side of the base member and extending from the second side of the base member;

an opening extending through the base member, the opening having first and second segments defining first and second diameters, respectively, the first diameter being greater than the second diameter, at least a portion of the second segment being situated within the nipple;

a flow sensor tube having an end received in the opening;

first means for attaching the flow sensor tube to the base member adjacent the first side of the base member; and

second means for attaching the flow sensor tube to the base member adjacent the second side of the base member.

22-29 (canceled)

30. (new) A flow sensor tube assembly, comprising:

a base member having first and second generally opposing sides, the first and second sides defining corresponding generally planar first and second parallel surfaces;

an opening extending through the base member, the opening having first and second segments defining first and second diameters, respectively, the first diameter being greater than the second diameter;

a groove defined in the first surface of the base member surrounding the opening creating a raised boss adjacent the opening;

a flow sensor tube having an end received in the opening;

a filler material situated in the first segment of the opening surrounding the flow sensor tube adjacent the first side of the base member; and

the flow sensor tube being welded to the base member adjacent the second side of the base member.

31. (new) The flow sensor tube assembly of claim 30, further comprising:

a nipple defined by the second side of the base member and extending from the second side of the base member;

the opening extending through the base member and the nipple;

at least a portion of the second segment being situated within the nipple; and

the flow sensor tube being welded to the nipple extending from the second side of the base member.